

This material accompanies a videotaped lesson on Inside Mathematics (www.insidemathematics.org): Decimal Place Value: Public Lesson. Austin, Texas: the Charles A. Dana Center at The University of Texas at Austin.

0.01 (A15) 0.08 (A5) 0.1 (A1) 0.2 (A6) 0.25 (A3) 0.3 (A7) 0.5 (A12)

$\frac{1}{100}$ (B7) $\frac{8}{100}$ (B5) $\frac{1}{10}$ (B6) $\frac{1}{5}$ (B11) $\frac{1}{4}$ (B15) 0.30 (A2) $\frac{1}{2}$ (B9)

$10 \div 1000$ (F9) $8 \div 1000$ (F5) $1 \div 1000$ (F10) 20×0.01 (F2) $25 \div 100$ (F4) $\frac{3}{10}$ (B12) 0.1×5 (F13)

Grids: C3, C8, C2, C4, E10, E11

$\frac{30}{100}$ (E10) $\$1.00 - \0.70 (one dollar minus 70 cents) (E1) $30 \div 100$ (E11)

The fraction of circles that are dark (E15) The fraction of flags that are dark (E10)

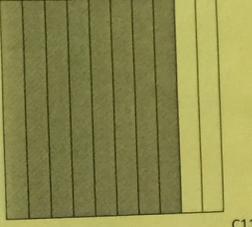
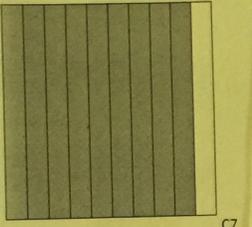
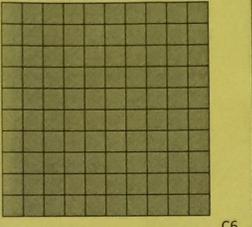
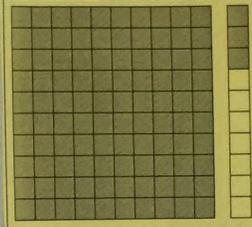
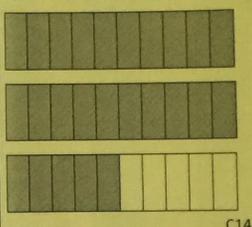
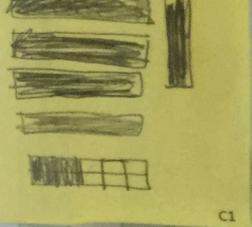
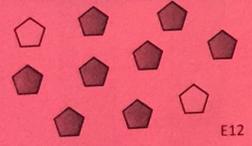
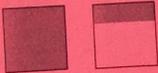
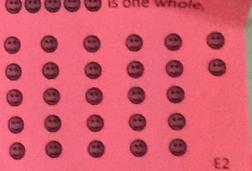
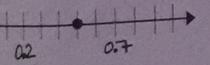
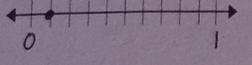
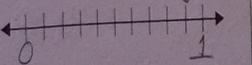
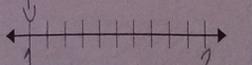
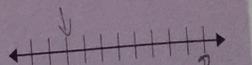
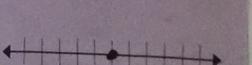
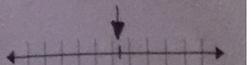
Number lines: D2, D14, D8, D9, D12, D11

Other: E7 (Penny), E13 (Coins), E4 (Coins), E5 (Crosses)

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0.75 A12	0.8 A4	0.9 A8	1.0 A11	1.3 A9	2.5 A13	5.4 A10
$\frac{3}{4}$ B9	$\frac{8}{10}$ B10	$\frac{9}{10}$ B14	$\frac{16}{16}$ B8	$\frac{13}{10}$ B13	$\frac{25}{10}$ B3	$\frac{54}{10}$ B1
0.25×3 F13	$80 \div 100$ F7	$0.3 + 0.3 + 0.3$ F6	$\frac{1}{4}$ of 4 F3	$0.6 + 0.7$ F11	$5 \div 2$ F1	$54 \div 10$ F15
 C13	 C12	 C7	 C6	 C15	 C14	 C10
 E1	The fraction of pentagons that are dark E12	The fraction of drops that are dark E3	 E7	If a square is one whole, this shows E8	 E14	If is one whole, E2
 D11	 D7	 D6	 D5	 D10	 D15	 D13

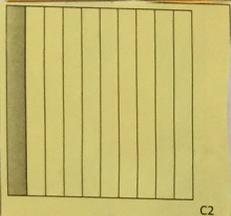
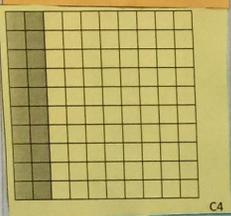
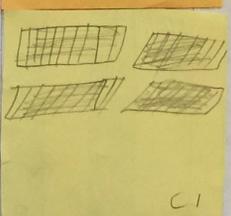
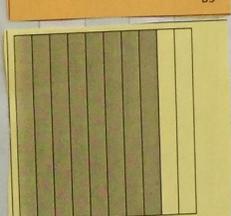
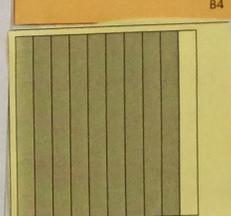
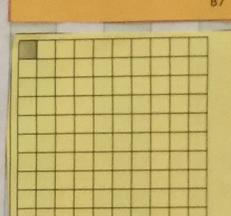
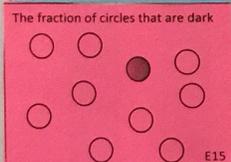
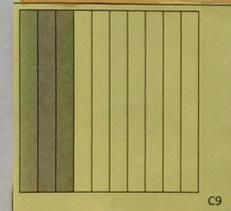
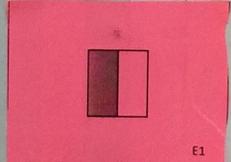
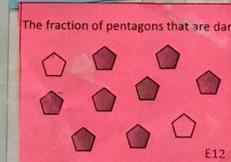
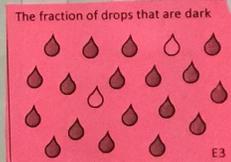
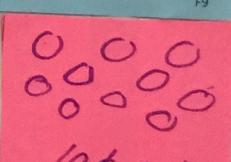
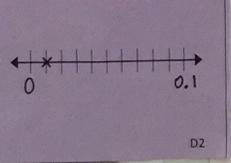
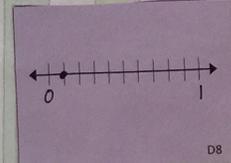
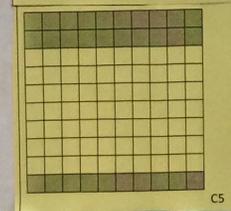
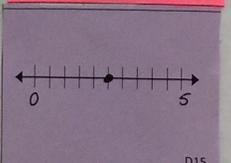
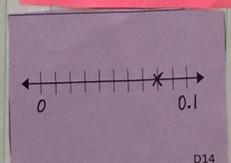
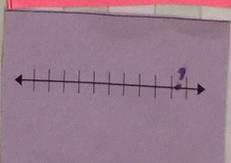
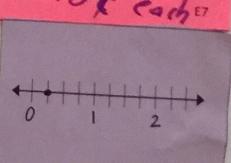
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0.5 A12	0.8 A14	0.9 A8	1.0 A11	1.3 A9	2.5 A13	5.4 A10
$\frac{1}{2}$ B9	$\frac{4}{5}$ B14	$\frac{9}{10}$ B4	$\frac{16}{16}$ B8	$\frac{13}{10}$ B13	$\frac{25}{10}$ B3	$\frac{54}{10}$ B1
						
0.1 x 5 F13	0.4 + 0.4 F2	0.3 + 0.3 + 0.3 F11	$\frac{1}{4}$ of 4 F1	0.6 + 0.7 F15	5 ÷ 2	54 ÷ 10
 E1	The fraction of pentagons that are dark  E12	The fraction of drops that are dark  E3	Which fraction is colored? The fraction of circles that are dark.  E11	If a square is one whole, this shows  E8	 E14	If  is one whole. E2
 D11	 D8	 D4	 D10	 D9	 D15	 D13

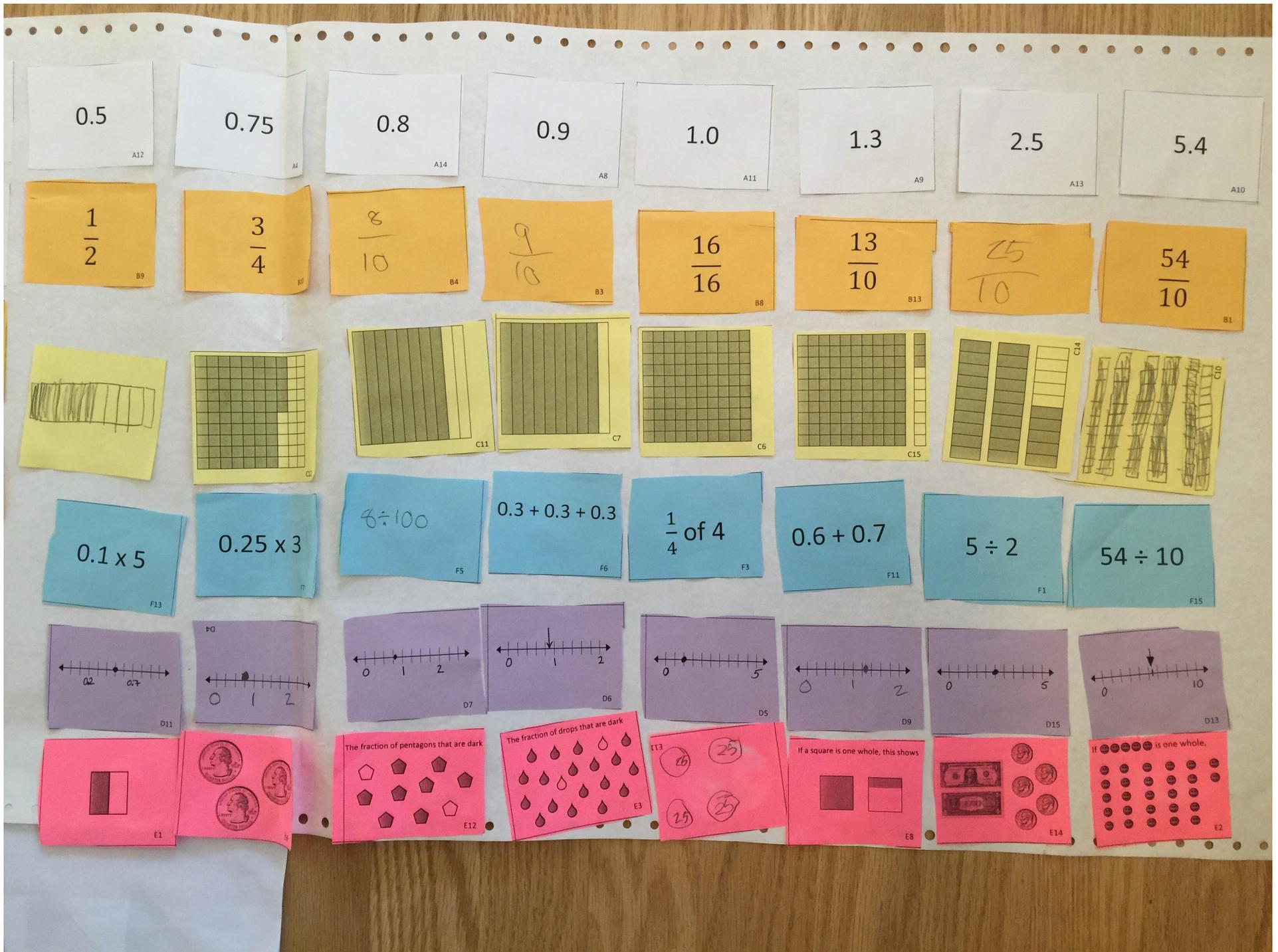
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	0.75	0.01	0.08	1.0	1.3	2.5	5.4
A2	A4	A15	A5	A11	A9	A13	A10
B2	$\frac{3}{4}$	$\frac{1}{100}$	$\frac{8}{100}$	$\frac{16}{16}$	$\frac{13}{10}$	$\frac{1}{4}$	$\frac{54}{10}$
B10	B7	B5	B8	B13	B15	B1	
C5							
C12	C3	C8	C1	C15	C10	C1	
F8	0.25×3	$25 \div 100$	0.08×1	$\frac{1}{4}$ of 4	$0.6 + 0.7$	$20 + 5$	$54 \div 10$
F7	F4	F10	F3	F11	F12	F15	
E6		$1000 \div 10$					
E3	E9	E7	E3	E14	E10	E2	
D1							
D1	D5	D9	D10	D14	D7	D4	

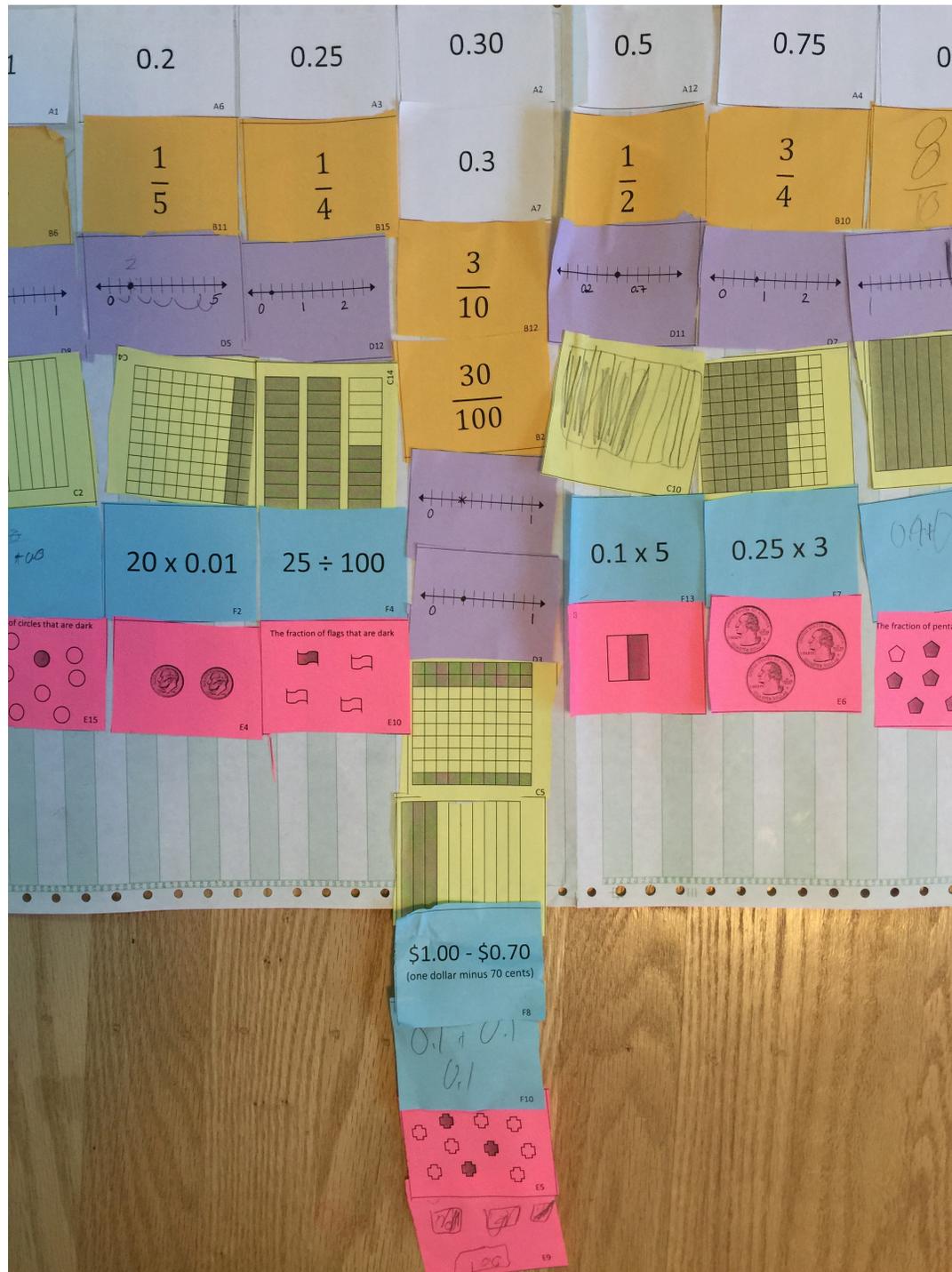
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0.1 A1	0.2 A6	0.3 A7	0.5 A12	0.8 A14	0.9 A8	0.01 A15
$\frac{1}{10}$ B6	$\frac{1}{5}$ B11	0.30 A2	$\frac{1}{2}$ B9	$\frac{8}{10}$ B3	$\frac{9}{10}$ B4	$\frac{1}{100}$ B7
 C2	 C4	$\frac{3}{10}$ B12	 C1	 C11	 C7	 C3
$0.5 - 0.4$ F12	20×0.01 F2	$\frac{30}{100}$ B2	0.1×5 F13	$0.7 + 0.1$ F10	$0.3 + 0.3 + 0.3$ F6	$10 \div 1000$ F9
The fraction of circles that are dark  E15	 E4	 C9	 E1	The fraction of pentagons that are dark  E12	The fraction of drops that are dark  E3	 E7 <i>10¢ each</i>
 D2	 D8	 C5	 D15	 D14	 D4	 D12
		$\$1.00 - \0.70 (one dollar minus 70 cents) F8				

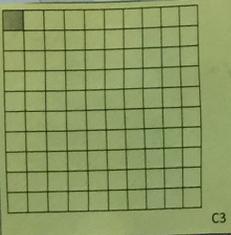
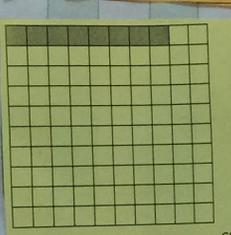
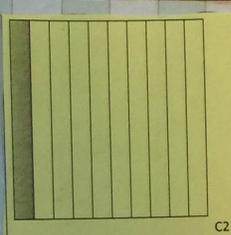
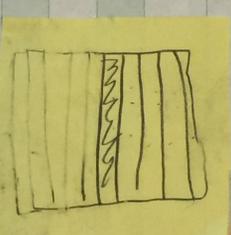
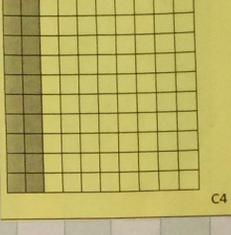
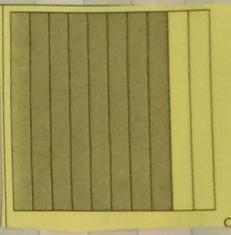
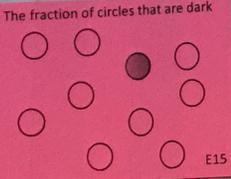
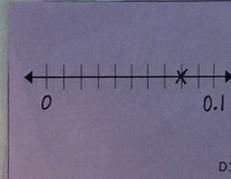
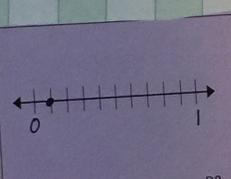
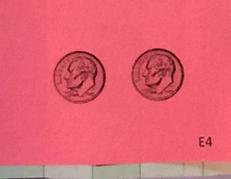
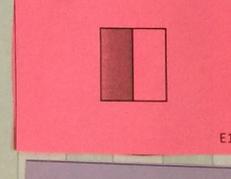
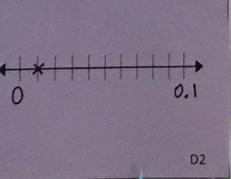
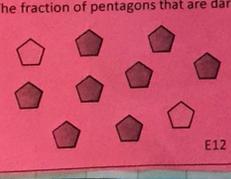
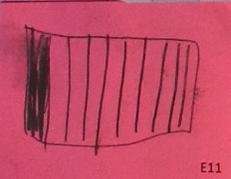
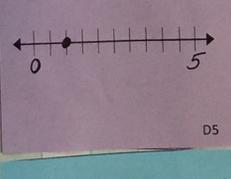
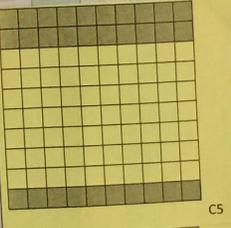
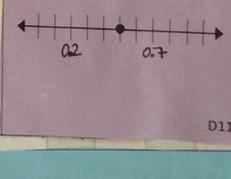
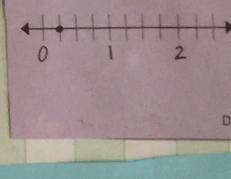
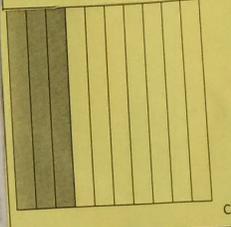
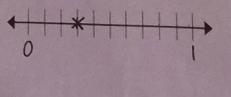
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0.01 A15	0.08 A5	0.1 A1	0.2 A6	0.3 A7	0.5 A12	0.8 A14
$\frac{1}{100}$ B7	$\frac{8}{100}$ B5	$\frac{1}{10}$ B6	$\frac{1}{5}$ B11	$\frac{3}{10}$ B12	$\frac{1}{2}$ B9	$\frac{8}{10}$ B4
 C3	 C8	 C2		$\frac{30}{100}$ B2	 C4	 C11
The fraction of circles that are dark  E15	 D14	 D8	 E4	0.30 A2	 E1	 E13
 D2	The fraction of pentagons that are dark  E12	 E11	 D5	 C5	 D11	 D12
$10 \div 1000$ F9	$80 \div 100$ F14	0.22 -0.1 ----- F10	20×0.01 F2	 C9	0.1×5 F13	$\frac{9}{10} - \frac{1}{10}$
				 D1		

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