

0.1 A1	0.30 A2	0.25 A3
0.75 A4	0.08 A5	0.2 A6
0.3 A7	0.9 A8	1.3 A9
5.4 A10	1.0 A11	0.5 A12
2.5 A13	0.8 A14	0.01 A15

$$\frac{54}{10}$$

B1

$$\frac{30}{100}$$

B2

B3

$$\frac{8}{100}$$

B4

B5

$$\frac{1}{10}$$

B6

$$\frac{1}{100}$$

B7

$$\frac{16}{16}$$

B8

$$\frac{1}{2}$$

B9

$$\frac{3}{4}$$

B10

$$\frac{1}{5}$$

B11

$$\frac{3}{10}$$

B12

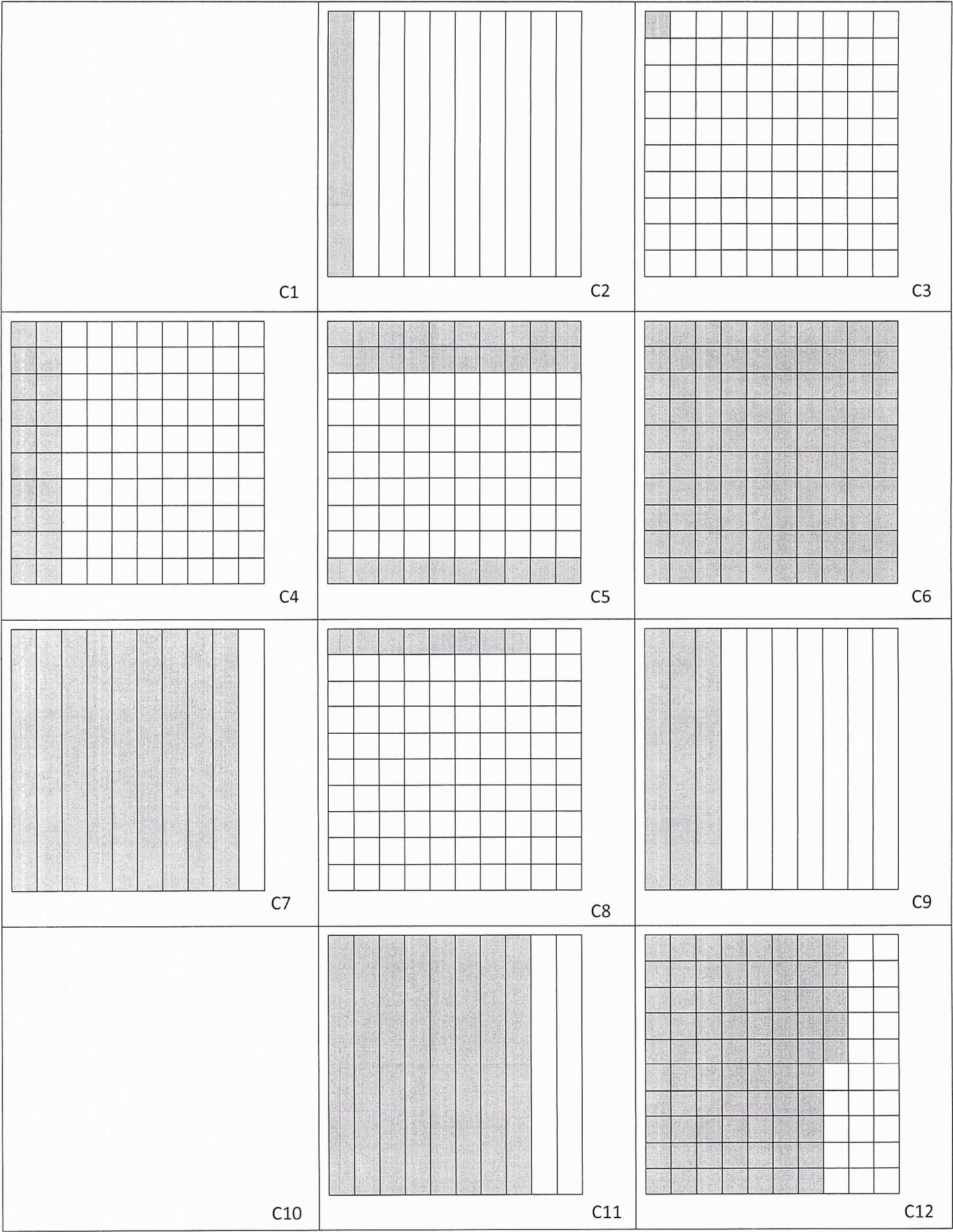
$$\frac{13}{10}$$

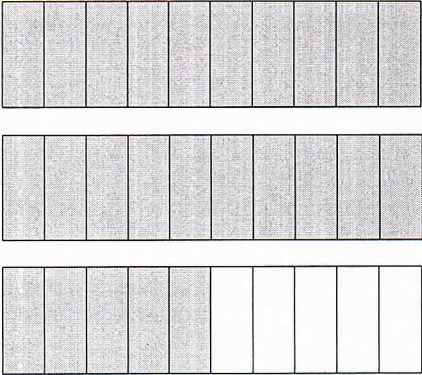
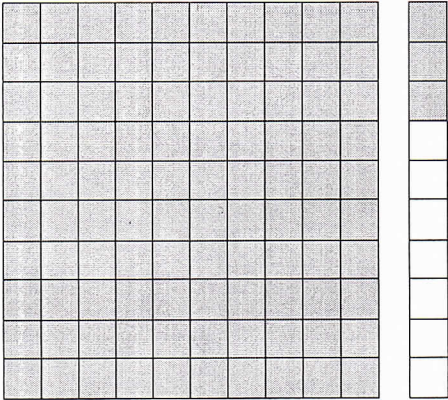
B13

$$\frac{1}{4}$$

B14

B15



C13	DO NOT USE	DO NOT USE
 C14	DO NOT USE	DO NOT USE
 C15	DO NOT USE	DO NOT USE
DO NOT USE	DO NOT USE	DO NOT USE

$$5 \div 2$$

F1

$$20 \times 0.01$$

F2

$$\frac{1}{4} \text{ of } 4$$

F3

$$25 \div 100$$

F4

$$0.3 + 0.3 + 0.3$$

F5

F6

$$0.25 \times 3$$

F7

$$\begin{aligned} &\$1.00 - \$0.70 \\ &(\text{one dollar minus 70 cents}) \end{aligned}$$

F8

$$10 \div 1000$$

F9

$$0.6 + 0.7$$

F10

F11

F12

$$0.1 \times 5$$

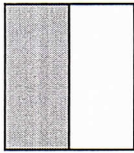
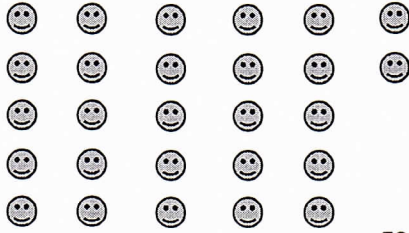
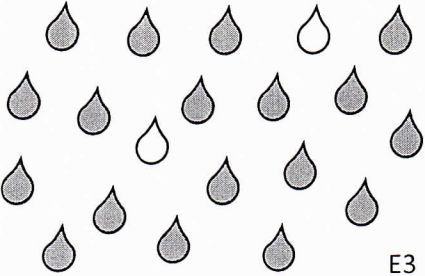
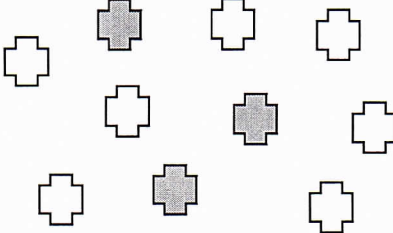
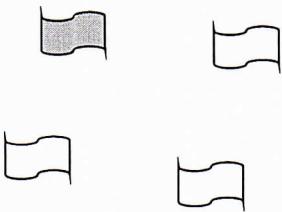
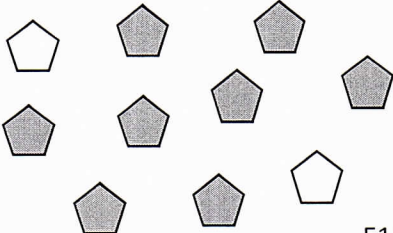
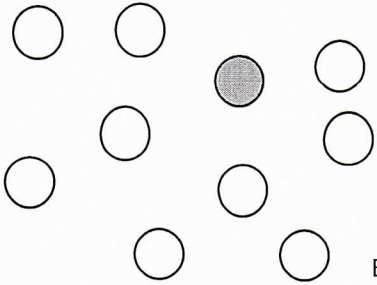
F13

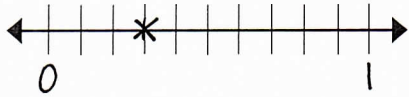
$$80 \div 100$$

F14

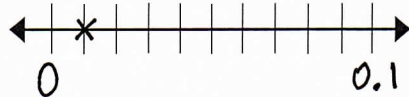
$$54 \div 10$$

F15

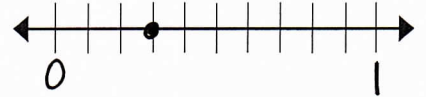
 E1	If ☺☺☺☺☺ is one whole,  E2	The fraction of drops that are dark  E3
 E4	The fraction of crosses that are dark  E5	 E6
E7	If a square is one whole, this shows  E8	E9
The fraction of flags that are dark  E10	E11	The fraction of pentagons that are dark  E12
 E13	 E14	The fraction of circles that are dark  E15



D1



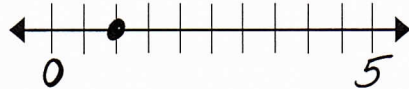
D2



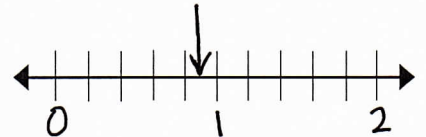
D3



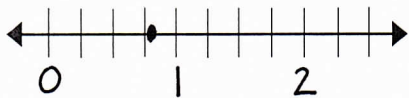
D4



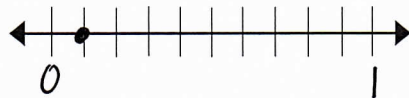
D5



D6



D7



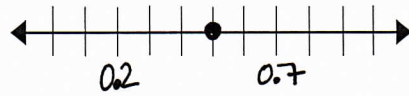
D8



D9



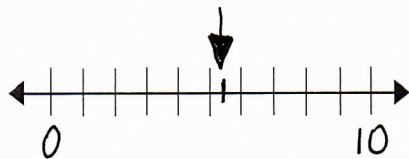
D10



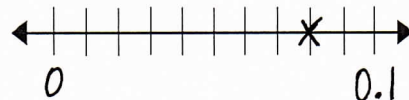
D11



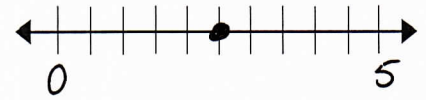
D12



D13



D14



D15

Part 1

Starting with 5	
# $\times$ 1000 =	
# $\times$ 100 =	
# $\times$ 10 =	
# $\times$ 1 =	
# $\times$ 0.1 =	
# $\times$ 0.01 =	
# $\times$ 0.001 =	

What happened? (If there was a pattern, what was it?)

What do you think would happen if you multiplied your number by 1,000,000?

What do you think would happen if you multiplied your number by 0.00001?

Part 2

Starting with 5	
# $\div$ 1000 =	
# $\div$ 100 =	
# $\div$ 10 =	
# $\div$ 1 =	
# $\div$ 0.1 =	
# $\div$ 0.01 =	
# $\div$ 0.001 =	

What happened? (If there was a pattern, what was it?)

What do you think would happen if you divided your number by 1,000,000?

What do you think would happen if you divided your number by 0.00001?

Part 3 - Predict the products and quotients (NO calculators)

Starting with 7	
# × 1000 =	
# × 100 =	
# × 10 =	
# × 1 =	
# × 0.1 =	
# × 0.01 =	
# × 0.001 =	
# ÷ 1000 =	
# ÷ 100 =	
# ÷ 10 =	
# ÷ 1 =	
# ÷ 0.1 =	
# ÷ 0.01 =	
# ÷ 0.001 =	

How did you figure out your answers?

Part 4 - Use calculators to check your predictions

Starting with 7	
# × 1000 =	
# × 100 =	
# × 10 =	
# × 1 =	
# × 0.1 =	
# × 0.01 =	
# × 0.001 =	
# ÷ 1000 =	
# ÷ 100 =	
# ÷ 10 =	
# ÷ 1 =	
# ÷ 0.1 =	
# ÷ 0.01 =	
# ÷ 0.001 =	

Were your predictions correct? Why?

Name _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (☆), what was surprising (!), what was confusing (?), what caused disagreement (♡).

Problem	Predict (mental)	Check (calculator)	☆ ! ? ♡ I think...
$2000 \div 10 =$			
$50 \div 10 =$			
$7000 \div 10 =$			
$4 \div 10 =$			
$3 \div 100 =$			
$1 \div 1000 =$			
$9 \div 0.1 =$			
$7 \div 0.01 =$			
$0.8 \div 10$			
$0.02 \div 100$			

What did you do to help yourself solve these problems mentally? _____

Solve each problem mentally and then check your answer with a calculator. Check your work with your tablemates – what was easy (★), what was surprising (!), what was confusing (?), what caused disagreement (💔).

Problem	Predict (mental)	Check (calculator)	★ ! ? 💔 I think...
8×10			
5×0.1			
$20 \div 10$			
$20 \div 1000$			
$20 \div 0.1$			
20×0.1			
$20 \div 0.01$			
$25 \div 10$			
$25 \div 100$			
$25 \div 0.01$			
25×0.01			

What do you know about decimals? What questions remain about decimals? _____
