

(2B)

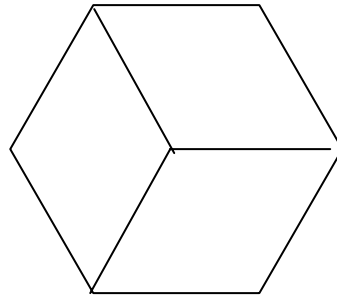


13. What fractional part of the set of shapes is shaded?

- $\frac{7}{2}$
- $\frac{5}{7}$
- $\frac{7}{5}$
- $\frac{2}{7}$

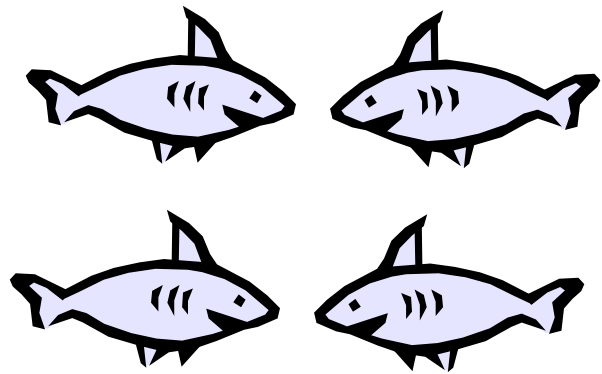
(2C)

15. Shade in $\frac{2}{3}$ of the shape.

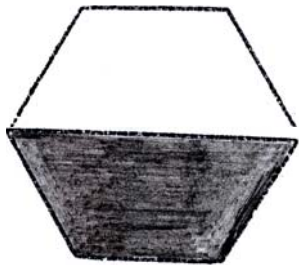


(2C)

16. Draw a ring around $\frac{3}{4}$ of the fish.



(2B)

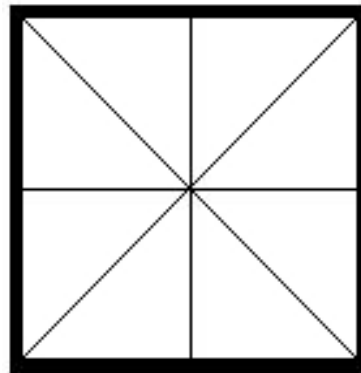


14. What fraction of the shape is shaded?

- $\frac{1}{6}$
- $\frac{1}{4}$
- $\frac{1}{3}$
- $\frac{1}{2}$

(2C)

17. Shade $\frac{3}{8}$ of the shape.



(25A)

18. There were 29 people going to see a basketball game.

- Some cars could hold only 2 people.
- Some cars could hold only 3 people.
- Some cars could hold 4 people.

Show 3 different ways to fit 29 people into the cars.

- At least one of each type of car must be used in all answers.

What was the fewest number of cars that could hold all 29 people? _____

Number	of Cars	Number of People
cars with 2 people		
cars with 3 people		
cars with 4 people		
TOTAL:		

Number	of Cars	Number of People
cars with 2 people		
cars with 3 people		
cars with 4 people		
TOTAL:		

Number	of Cars	Number of People
cars with 2 people		
cars with 3 people		
cars with 4 people		
TOTAL:		

Topic 9: Developing the Concept of Division

Revised: December 1, 2005

- 5A: Relate division facts to rectangular arrays and pictures
- 6B: Divide by 2, 5, and 10

Review Practice:

- 1B: Identify alternative forms of expressing 3-digit whole numbers using expanded notation.
- 1C: Identify alternative forms of expressing 2-digit whole numbers using regrouping.
- 2B: Identify fractional parts of regions and sets using pictures and vice versa.
- 2C: Label and/or shade fractional parts of regions and sets.
- 5A: Relate multiplication facts to rectangular arrays and pictures
- 6B: Multiply by 2, 5, and 10
- 25A: Solve extended numerical and statistical problems.

ANSWERS

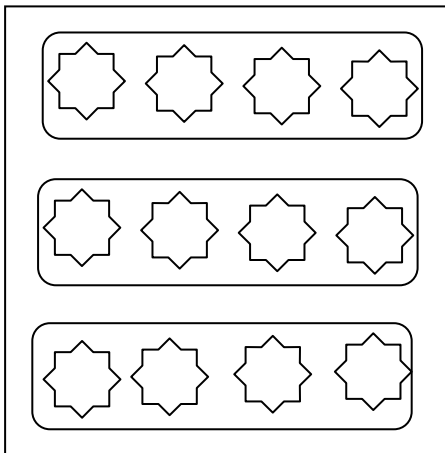
(5A)



1. Maurice shared 21 toy cars equally with 3 children. Which fact could be used to find the number of toy cars each person got?

- $21 \div 3$ ***
 21×3
 $21 + 3$
 $21 - 3$

(5A)



2. Which number fact goes with this picture?

- $12 \div 6$
 $12 \div 3$ ***
 $9 \div 3$
 $8 \div 4$

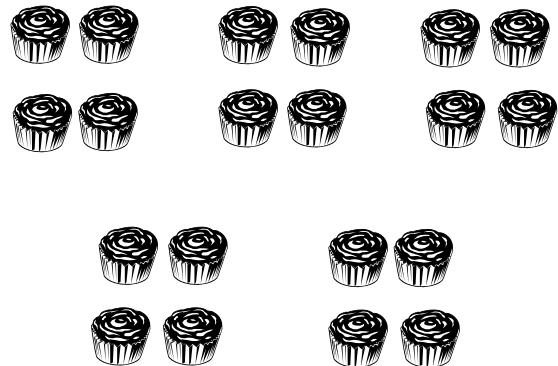
(5A)

3. A bookcase had 5 shelves. On each shelf were 5 books. Which fact should be used to find out how many books were on the shelves?



- $5 + 5$
 $5 - 5$
 5×5 ***
 $5 \div 5$

(5A)



4. Ali gave 20 cupcakes to 5 friends. Every friend got the same number of cupcakes. Which fact could she use to find the number of cupcakes each friend should receive?

- 20×5
 $20 + 5$
 $20 - 5$
 $20 \div 5$ ***

5. Solve this problem. (6B)

$$5 \overline{)10}$$

- 8
 6
 4
 2 ***

(1B)

9. Which means the same as
 $200 + 60 + 4$?

- 200,604
 20,604
 2,604
 264 ***

6. Solve this problem. (6B)

$$16 \div 2$$

- 8 ***
 6
 4
 2

(1B)

10. Which means the same as 672?

- $6 + 7 + 2$ 15
 $600 + 7 + 2$ 609
 $600 + 70 + 2$ ***
 $600 + 700 + 2$ 1302

7. Solve this problem. (6B)

$$5 \times 10$$

- 2
 5
 15
 50 ***

(1C)

11. Which means the same as 7 tens
and 15 ones?

- 65
 75
 85 ***
 95

8. Solve this problem. (6B)

$$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$$

- 12
 14
 16 ***
 18

(1C)

12. Which means the same as 71?

- 7 tens and 11 ones 81
 6 tens and 11 ones ***
 6 tens and 1 one 61
 7 tens and 10 ones 80

(2B)

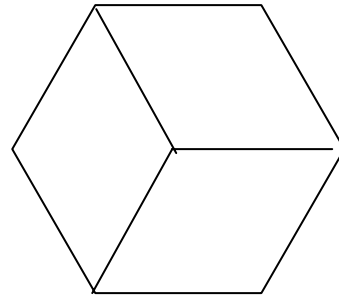


13. What fractional part of the set of shapes is shaded?

- $\frac{7}{2}$
- $\frac{5}{7}$
- $\frac{7}{5}$
- $\frac{2}{7}$ ***

(2C)

15. Shade in $\frac{2}{3}$ of the shape.

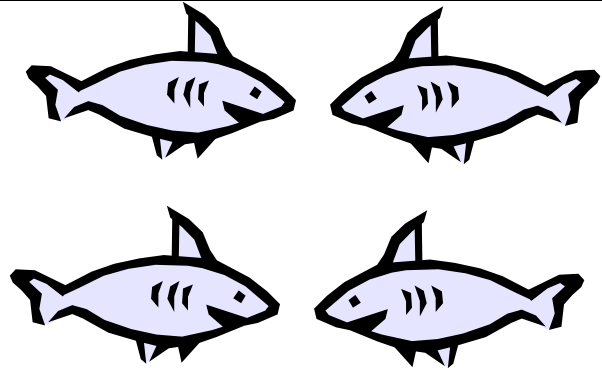


Shade in any 2 equal parts.

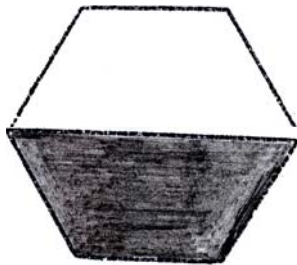
(2C)

16. Draw a ring around $\frac{3}{4}$ of the fish.

Draw a circle around 3 fish – or draw 3 circles, each circle around 1 fish



(2B)

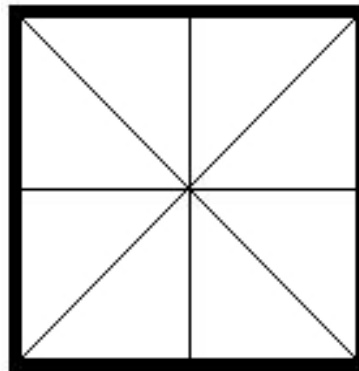


14. What fraction of the shape is shaded?

- $\frac{1}{6}$
- $\frac{1}{4}$
- $\frac{1}{3}$
- $\frac{1}{2}$ ***

(2C)

17. Shade $\frac{3}{8}$ of the shape.



Shade in any 3 equal parts
or
Shade in 3/8 of every equal part.

18. There were 29 people going to see a basketball game. (25A)

- Some cars could hold only 2 people.
- Some cars could hold only 3 people.
- Some cars could hold 4 people.

Show 3 different ways to fit 29 people into the cars.

- At least one of each type of car must be used in all answers.

What was the fewest number of cars that could hold all 29 people? 9 CARS

Number	of Cars	Number
		of People
cars with 2 people		
cars with 3 people		
cars with 4 people		
TOTAL:		

One Possible Solution
cars/2 people: 2 cars 4 people cars/3 people: 3 cars 9 people cars/4 people: <u>4 cars</u> <u>16 people</u> TOTALS: 9 cars 29 people
One Possible Solution
cars/2 people: 4 cars 8 people cars/3 people: 3 cars 9 people cars/4 people: <u>3 cars</u> <u>12 people</u> TOTALS: 10 cars 29 people
One Possible Solution
cars/2 people: 6 cars 12 people cars/3 people: 3 cars 9 people cars/4 people: <u>2 cars</u> <u>8 people</u> TOTALS: 11 cars 29 people
One Possible Solution
cars/2 people: 8 cars 16 people cars/3 people: 3 cars 9 people cars/4 people: <u>1 car</u> <u>4 people</u> TOTALS: 12 cars 29 people