Math 3   Homework 22

Practicing Math Kangaroo

1

 # 4. Which of the following figures has the largest part shaded?

(A)   (B)   (C)   (D)   (E)

2

 # 6. Elli draws the big square (shown in the picture) with chalk on the pavement. She starts at the square marked with the number 1 and begins jumping. Each time she jumps, she always jumps to a number that is 3 more than the number she is standing on. What is the largest number Elli can jump to?

(A) 11   (B) 14   (C) 18   (D) 19   (E) 24

1	5	8	11
4	7	10	14
24	23	13	18
21	19	16	20

3

 # 13. Every time the kangaroo goes up 7 steps, the rabbit goes down 3 steps. On which step do they meet?

(A) 53   (B) 60   (C) 63   (D) 70   (E) 73

4

Solve equations:

$36 \div X = 4$ $Y \div 4 = 32$ $56 \div Z = 8$

Solve equations:

$7 \times X = 21$ $Y \times 3 = 24$ $5 \times Z = 45$

Long Division. Subsets. Fractions.

5 Use $+, -, \div$ and $\times$ with parenthesis to make number sentences that give the target number:

a) 2, 5, 6 Target 40 _____

b) 3, 5, 6 Target 21 _____

c) 4, 6, 10 Target 1 _____

6 Long division:
a) $384 \div 8 =$ b) $384 \div 6 =$

7. Double and half.

a) What is half of 20? _____

b) What is double of 6? _____

c) What is half of 2? _____

d) What is half of 1? _____

e) what is double of 17? _____

**8.** One-digit-one-line Long Multiplication. Remember about Place Value!

a) $43 \times 22 =$ b) $432 \times 222 =$ c) $4321 \times 2222 =$

Report the time you spent on page 2: _____

Long Division. Subsets. Fractions.

9. What fraction of each circle is shaded? Write the fractions vertically as two numbers and a line between them.

Long Division. Subsets. Fractions.
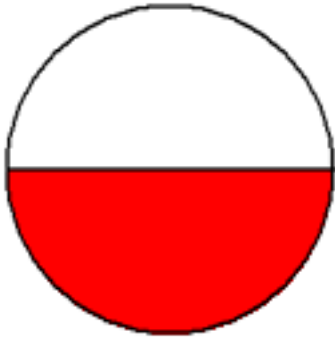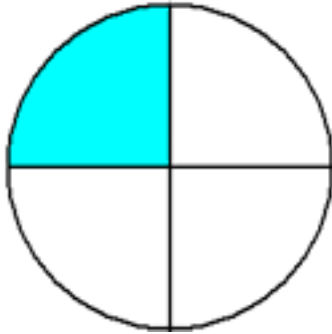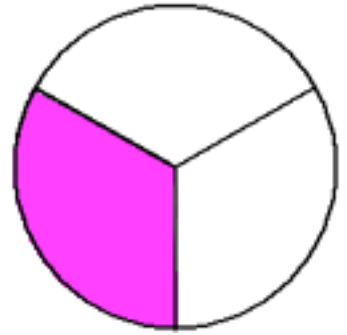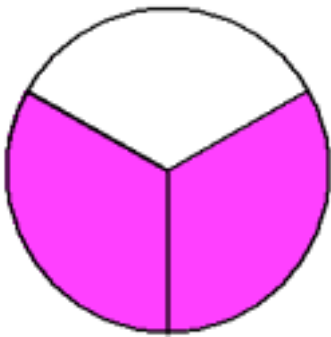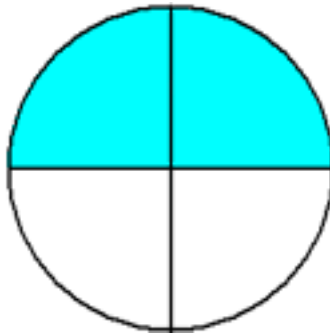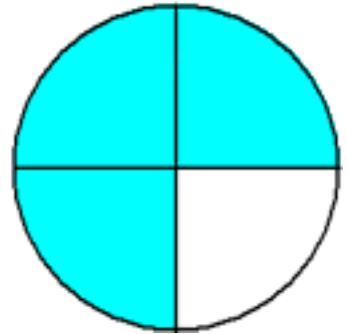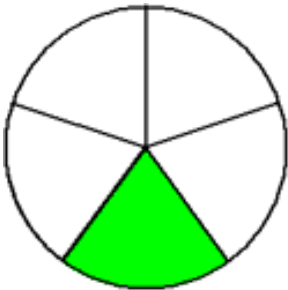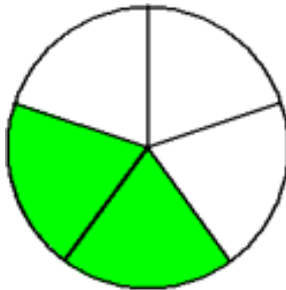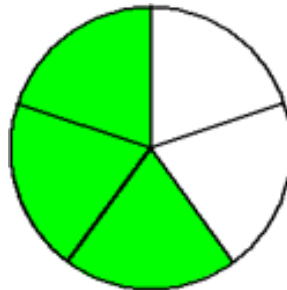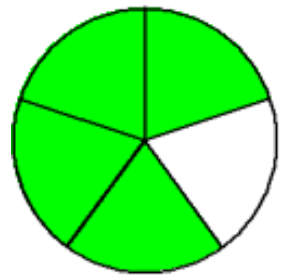
10

Write down a number sentence:
a) *n* is multiplied by six: _____
b) one hundred twenty two is added to a difference of *a and b* _____
c) the product of *b and c* is subtracted from 10 _____
d) subtract *d from* a sum of *x and y* _____

11

Jonathan's dad has 6 pieces of ropes which have length of 7m, 9m, 42m, 58m, 126m and 133m. He only gives Jonathan 2 ropes at a time. Which 2 ropes does Jonathan need to get the total length of?
a) 135m _____

b) 175m _____

c) 184m _____

d) 49m _____

e) 100m _____

f) 168m _____

12

If there are 60 minutes in one hour, what part of the hour will be (simplify your fractions):
a) 30 min ____
b) 15 min ____
c) 20 min ____
d) 40 min ____
e) 12 min ____
f) 24 min ____

13

Compare, using $<$, $>$ or $=$. Think carefully about an order of operations:
$8 \times 64 - 40$ .... $8 \times (64 - 40)$

$100 \div 5 + 5$ ... $100 \div (5 + 5)$

$20 + 50 \times 8$ ... $(20 + 50) \times 8$

$12 \times 43 + 51 \times 5$ ... $5 \times 51 + 43 \times 12$

14

Find an area and perimeter of composite shapes. Don't forget to write down units for both A and P.
a) A = _____   P = _____   b) A = _____   P = _____

4