

GRADE 5 WHOLE NUMBER PRE-ASSESSMENT

1. Continue to skip count for 5 more numbers:

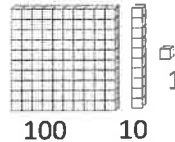
- a. 96, 97, 98, 99, 100, 101, 102, 103
- b. 140, 240, 340, 440, 540, 640, 740, 840
- c. 7605, 7615, 7625, 7630, 7635, 7640, 7645, 7650
- d. 209, 205, 201, 197, 193, 189, 185, 181

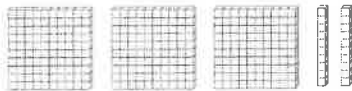
2. What do the 3 and 7 represent in each number:

- a. 73 3, 70
- b. 307 300, 7
- c. 3 700 3000, 700

3. Write the number for each:

Note:



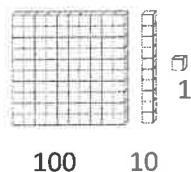
a.  320

b.  403

c. Four thousand twelve 4012

d. Eight hundred two 802

4. Using these block values. Fill in the number sentences below (note: there is more than one right answer):



(remember that x 100 means groups of 100)

a. $982 = \underline{9} \times 100 + \underline{8} \times 10 + \underline{2} \times 1$

b. $982 = \underline{98} \times 10 + \underline{2} \times 1$

c. $3\,744 = \underline{37} \times 100 + \underline{4} \times 10 + \underline{4} \times 1$

5. Place the following numbers in order from LEAST to greatest:

198, 301, 4 567, 99, 711, 709, 25

25, 99, 198, 301, 709, 711, 4 567

6. Solve using mental math. Show your strategy for each question: *Answers will vary*

a. $17 + 9 = \underline{26}$ Strategy: $17 + 10 = 27, 27 - 1 = 26$

b. $23 + 18 = \underline{41}$ Strategy: $23 + 20 = 43, 43 - 2 = 41$

c. $32 - 9 = \underline{23}$ Strategy: $32 - 10 = 22, 22 + 1 = 23$

d. $51 - 22 = \underline{29}$ Strategy: $22 + 8 = 30, 30 + 21 = 51 = 29 \text{ difference}$

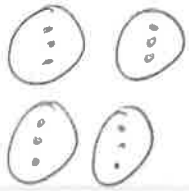
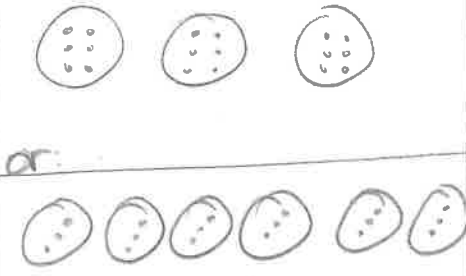
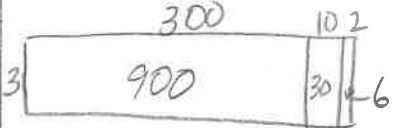
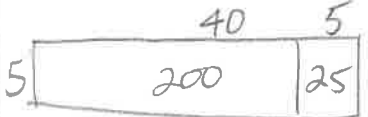
7. Estimate first, then solve (show all work, including your estimate): *Answers will vary*

a. $4\,567 + 988$ is about $4\,500 + 1\,000 = 5\,500$
 $4\,567 + 988 = \underline{5\,555}$

b. $9\,012 - 754$ is about $9\,000 - 1\,000 = 8\,000$
 $9\,012 - 754 = \underline{8\,258}$

8. Sandra has three hundred sixty-six rocks in her collection. Jeff has eighty-nine rocks in his collection. How many more rocks does Sandra have than Jeff?
 $366 - 89 = \underline{277}$

9. For each of the following show how you solved the equation, show a picture of what the equation **means** and write a story problem that would be solved by the equation: *Answers will vary.*

Equation	Picture	Story problem
a. $4 \times 3 = 12$ how did you solve:		4 groups of 3
b. $18 \div 6 = 3$ how did you solve:		18 split into 6 groups or 18 divided so that there are 6 in each group
c. $3 \times 312 = 936$ how did you solve:		3 groups of 312.
d. $225 \div 5 = 45$ how did you solve:		similar but with $225 \div 5$

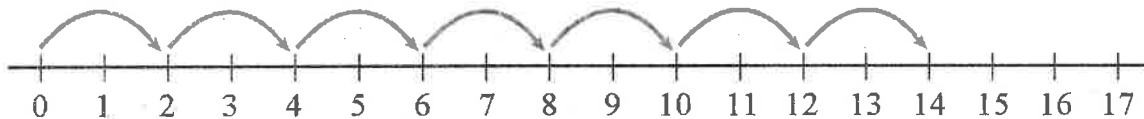
10. Write at least 1 multiplication and one division number sentence that matches this image:



Multiplication: 5×3 or 3×5

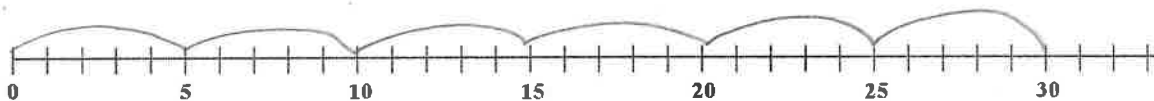
Division: $15 \div 3$ or $15 \div 5$

11. What multiplication equation does this image represent:



$7 \times 2 = 14$

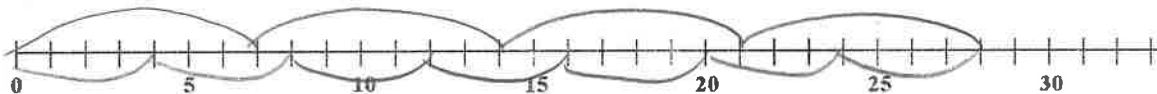
b. Show the multiplication 6×5 on the given number line:



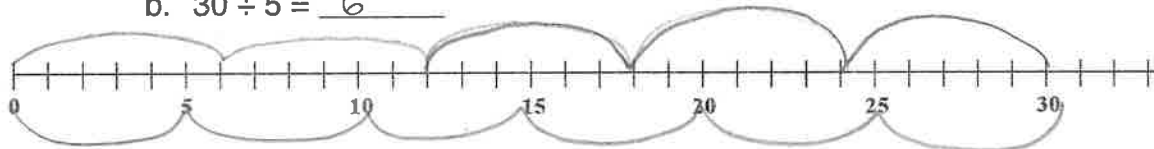
$6 \times 5 =$ 30

12. Show each division on the number lines below and solve:

a. $28 \div 4 =$ 7



b. $30 \div 5 =$ 6



2 possible correct solutions for each