

Aspley State High School
Year 8 Numeracy Term 4
Homework Sheet # 2

Name: _____

Parent's Signature: _____

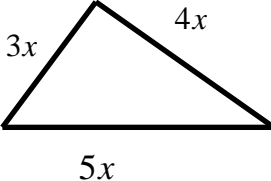
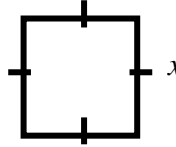
Chapter Reference – Chapters.2,4,5,7,11

PART A - REVISION

1. Write as an algebraic expression.

- | | |
|-----------------------------------|--|
| a) Add 5 to x _____ | b) The difference between p and q _____ |
| c) The product of 7 and y _____ | d) The square root of m _____ |
| e) 18 less than k _____ | f) The cost of p pens at \$ d each _____ |

2. Find the perimeter in terms of x . (Simplify your answer)

<p>a) </p>	<p>b) </p>
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3. Simplify

- | | | |
|-----------------------------------|-----------------------|--------------------------|
| a) $13x + 5x =$ _____ | b) $19y - 6y =$ _____ | c) $2p - 5 - 3p =$ _____ |
| d) $2x^2 + 2y + x^2 - 5y =$ _____ | e) $4a + 2b =$ _____ | |

4. Simplify

- | | | |
|---------------------------|---------------------------|-----------------------------------|
| a) $2n \times 8w =$ _____ | b) $7p \times 3p =$ _____ | c) $^{-}6m \times ^{-}2n =$ _____ |
|---------------------------|---------------------------|-----------------------------------|

5. Calculate correct to 2 decimal places.

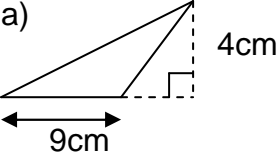
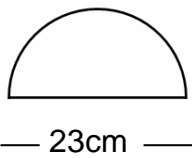
- | | | |
|-----------------------|---------------------------|--------------------------|
| a) $\sqrt{8} =$ _____ | b) $\sqrt{25.56} =$ _____ | c) $\sqrt{4675} =$ _____ |
|-----------------------|---------------------------|--------------------------|

6. a) Change $4\frac{5}{9}$ to an improper fraction _____

b) Change $\frac{31}{7}$ to a mixed number _____

c) Convert $\frac{22}{30}$ to a % _____

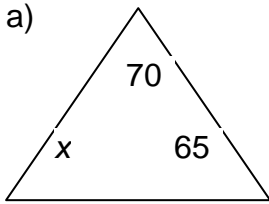
7. Calculate area.

<p>a) </p>	<p>b) </p>
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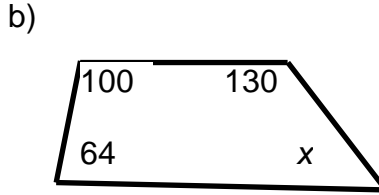
8. Calculate 64% of \$340 = _____

9. $3\frac{1}{5} \times 4\frac{1}{2} \div \frac{3}{10} =$ _____

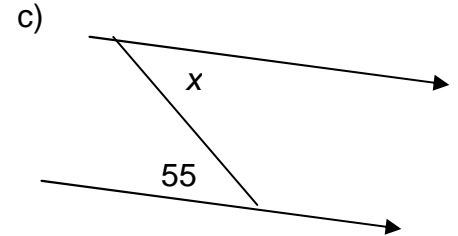
10. Find the size of the marked angle.



X= _____

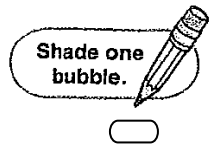
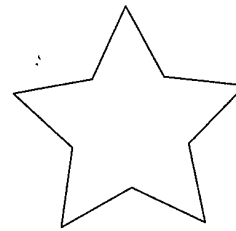


x= _____



x= _____

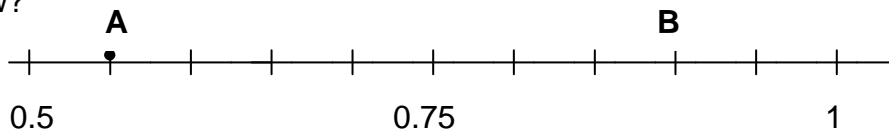
11. Within the star,
 a) how many acute angles are there?
 b) how many right angles are there?
 c) how many obtuse angles are there?
 d) how many reflex angles are there?



Part B – NAPLAN.

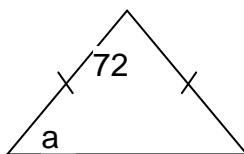
1. **(Non Calculator)** Clay thinks of two numbers. When he multiplies them together he gets -24. If one of the numbers is 4, what answer will Clay get when he adds his two numbers?

2. **(Non Calculator)** Which one of the following does not lie between A & B on the number line below?

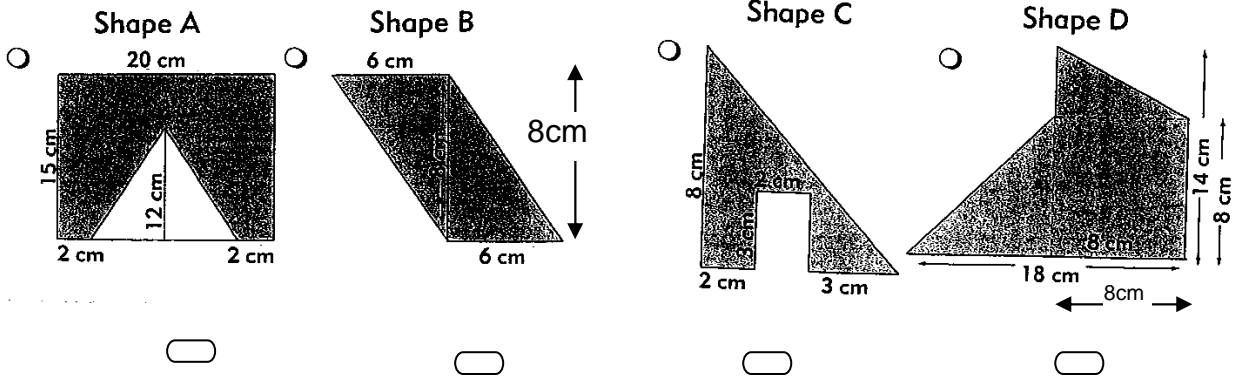


- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| $\frac{5}{8}$ | 6% | $\frac{3}{5}$ | 61% |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

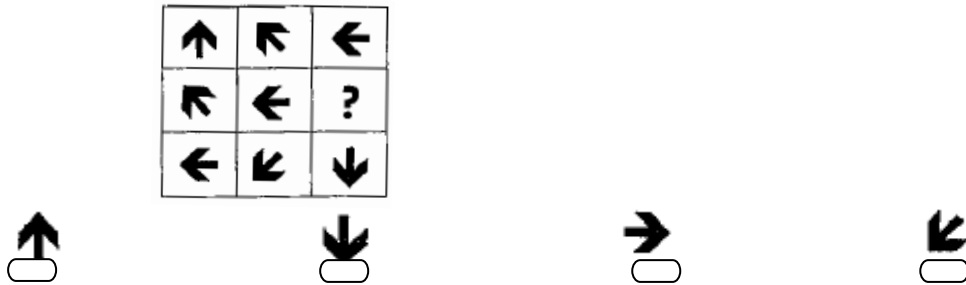
3. **(Calculator)** What is the value of a?



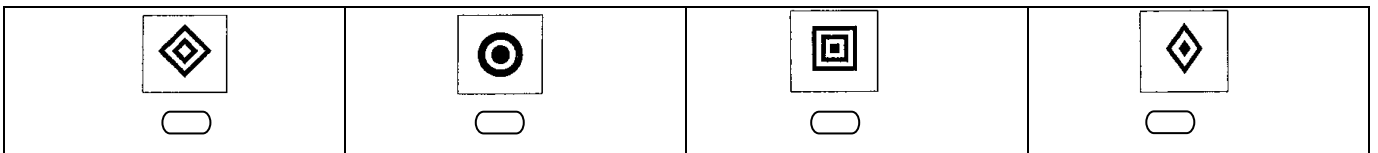
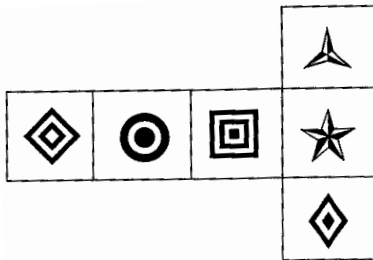
4. **(Calculator)** Look at the drawings below. These are not to scale. Which shape has an area of 48cm^2 ?



5. **(Non Calculator)** Look at the pattern in the arrows. Which arrow will complete the pattern?



6. **(Non Calculator)** Below is the net of a die. If this face was on the bottom, which face would be on top?



7. **(Non calculator)** What is the correct answer for the following.

$$\sqrt{64} \times \sqrt{144}$$

- 96 72 9216 84

