

- (a) Point ______ is the centre of the circle.
- (b) The lengths of OR and OS are * equal / not equal .(* Circle the answer)
- (c) * RU / RT / SU is the longest. (* Circle the answer)



Date:

- 4. Are the following descriptions correct? If so, put a '✓' in the box; if not, put a '✗' in the box.
 - (a) Radius must pass through the centre of the circle.
 - (b) Diameter is the longest line segment in a circle.
 - (c) The length of a diameter is one-half of the length of a radius.
 - (d) The length of a radius is equal to the distance between any two points on the circumference of the circle.
- 5. The figure on the right shows a circle. AEC and BED are diameters of the circle.

Triangle AED is a/an ______ triangle.



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centres of the circles. The diameter of the big circle is 3 times that of each small circle. The radius of each small circle is 2 cm. The perimeter of triangle ABC is ______ cm.

7. In the figures below, the diameter of each circle is 6 cm. '•' is the centre of each circle. The coloured part is a quadrilateral.

(a)	$\bigcap \bigcap$	This quadrilateral is a
		Its perimeter is cm.
(b)	$\bigcirc \bigcirc$	This quadrilateral is a
		Its area is $ cm^2$.

8. The figure on the right is made up of 6 circles of diameter 9 m each. The centres of the circles are joined to form a rectangle. Find the area of the rectangle. (Show your working)



Time: 20 min

Self-Assessment

Correct (X) Incorrect

 $\bigcirc \bigcirc$

 $\bigcirc \bigcirc$

 $\bigcirc \bigcirc$

 \square

()

Date:

Learning Objectives

- ① Division and mixed operations of fractions
- Algebraic expressions and simple equations
- ③ Volume
- 1. $6\frac{2}{5} \div 8 =$
- 2. $1\frac{1}{2} \times 2\frac{4}{9} \div 2\frac{1}{5} =$
- 3. Which of the following numbers times $\frac{3}{8}$ is equal to $4\frac{1}{2}$?
 - O A. 7
 - **B.** 11
 - O C. 12
 - D. 13
- 4. The perimeter of equilateral triangle A is $48\frac{3}{4}$ cm. It is 5 times that of equilateral triangle B.

Formative Assessment

(a) The side length of equilateral triangle A is cm.

(b) The side length of equilateral triangle B is cm.

5. There are $1\frac{5}{8}$ kg of cola sweets and $1\frac{3}{4}$ kg of fruit juice sweets in a sweet shop. The shop assistant divides all these sweets into 9 portions equally. Each portion of sweets weighs kg.

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	Self-Assessment Table			
(Fair	Good	Great
	 Division and mixed operations of fractions 	⊕ (0–2)	ⓒ (3–5)	(6−7)
	 2 Algebraic expressions and simple equations 	(0−2)	☺ (3–5)	(6−7)
	③ Volume	(0-2)	ⓒ (3–5)	🮯 (6–7)
	(Based on the number of questions that answer	ed correctly		

colour the appropriate face.)



Circles

circle	圓
centre of a circle	圓心
radius (plural: radii)	半徑
diameter	直徑
circumference	圓周
a pair of compasses	圓規

Glossary

Cross sections of 3-D shapes

3-D shape	立體圖形
cross section	截面
prism	角柱
cylinder	圓柱
pyramid	角錐
cone	圓錐
sphere	球
centre of a sphere	球心

3-D shapes

vertex (plural: vertices)	頂點
edge	稜
face	面
base	底
lateral face	側面
curve surface	曲面
cube	正方體
cuboid	長方體
net	摺紙圖樣

Multiplication of decimals

multiplication	乘法
product	積
P times Q	P乘以Q
decimal	小數
whole number	整數
is approximately equal to	大約等於
round off	四捨五入
round off to the nearest tenth	取至十分位
round off to the nearest hundredth	取至百分位

Unfiglies: Algebrails expressions and single equations and Time: 10 min	() ()	
 Learning Objectives ① Use algebraic expressions to represent the operations involving unknown quantities ② Solve simple equations and solve problems by using equations 	Self-Assessment	
1. Which of the following represents '10 plus h and then divided by 3'? \bigcirc A. $10 + \frac{h}{3}$ \bigcirc B. $h + \frac{10}{3}$ \bigcirc C. $\frac{3}{10 + h}$ \bigcirc D. $\frac{10 + h}{3}$		
2. Mum pays 50 dollars for 2 hamburgers. How much change should she get? \bigcirc A. $\$ (2m - 50)$ \bigcirc B. $\$ (50 - 2m)$ \bigcirc C. $\$ 2(50 - m)$ \bigcirc D. $\$ 2(m - 50)$		
 Mike has 22 dollars. Hugo has <i>w</i> dollars more than Mike. They have dollars altogether. 	0	
4. A small coach can carry q passengers. It carries 15 fewer passengers than a large coach. A travel agency rents 13 large coaches.	0	
A total of passengers can be carried. 5. Solve the following equation. $\frac{t}{7} - 4 = 5$		
<i>t</i> =		

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