

EDUZEDCO
GRADE 8 MATHEMATICS
Topic Quiz

Total Marks: 10

Name: Adm No: Date:

Quiz (10 Marks)

Answer all the questions.

1. A right triangle has legs of lengths 3 cm and 4 cm. What is the length of the hypotenuse? [1 mark]

- (A) 5 cm
- (B) 6 cm
- (C) 7 cm
- (D) 8 cm

2. A ladder is placed 6 m from the base of a wall and reaches 8 m up the wall. How long is the ladder? [1 mark]

3. In a right triangle, the hypotenuse is 13 cm and one leg is 5 cm. What is the length of the other leg? [1 mark]

- (A) 8 cm
- (B) 10 cm
- (C) 12 cm
- (D) 14 cm

4. A rectangle has a length of 15 cm and a width of 8 cm. Find the length of the diagonal. [1 mark]

5. A triangle has sides 6 cm, 8 cm, and 10 cm. Is it a right triangle? [1 mark]

- (A) Yes, because $6^2 + 8^2 = 10^2$
- (B) No, because $6^2 + 8^2 \neq 10^2$
- (C) Yes, because $6 + 8 = 10$
- (D) No, because $6^2 + 10^2 \neq 8^2$

6. A bar graph shows the number of books read by students in a month: John 4, Mary 6, Peter 5, Jane 3. How many books did Mary read? [1 mark]

- (A) 3
- (B) 4
- (C) 5
- (D) 6

7. A pie chart shows that 40% of students prefer Math, 30% prefer English, and the rest prefer Science. What percentage prefer Science? [1 mark]

8. A line graph shows the temperature over a week: Monday 25°C, Tuesday 27°C, Wednesday 26°C, Thursday 28°C, Friday 30°C. On which day was the highest temperature? [1 mark]

- (A) Monday
- (B) Tuesday
- (C) Thursday
- (D) Friday

9. A pictogram uses one star to represent 5 apples. If there are 4 stars, how many apples are represented? [1 mark]

10. A double bar graph compares the number of boys and girls in two classes: Class A has 12 boys and 8 girls; Class B has 10 boys and 10 girls. Which class has more girls? [1 mark]

- (A) Class A
- (B) Class B
- (C) Both have the same number
- (D) Cannot be determined

MARKING GUIDE

Question	Expected answer / marking points	Marks
q1_01	A	1
q1_02	10 m	1
q1_03	C	1
q1_04	17 cm	1
q1_05	A	1
q1_06	D	1
q1_07	30%	1
q1_08	D	1
q1_09	20	1
q1_10	B	1