

NOMBRE: _____

P.A.T Prep
Percentage Calculations

$+$ $-$
 \div \times

**KEEP
CALM
AND
DO THE
MATH**

St. Brendan School
Mr. Martínez

PERCENTAGE CALCULATIONS

Mental Math • 25 % is $\frac{1}{4}$
• 50 % is half
• 75 % is $\frac{3}{4}$

Know how

to get 10 %

42
↙
So 10% of 42
is 4.2

10% means moving
or bringing a
decimal point to
the left

37 → 10 % is 3.7 = 3.7

59.2 → 10 % is 5.92 = 5.92

Once you
know the
10 %

→ 20 % = 10 % + 10 %

Example:

58 → 10 % is 5.8

→ 20 % is = 5.8 + 5.8

↓ ↓
30 % = 10 % + 10 % + 10 %

40 % = 10 % + 10 % + 10 % + 10 %

OR

50 % - 10 %

Know how to
get the
10 %

By knowing the 10 %, you can
find any %

Math Quiz



Sam

1. $\sqrt{49} = 7$

4. $8 + \sqrt{25} = 13$

2. $\sqrt{110.25} = 10.5$

5. $(\sqrt{4})^2 = 4$

3. $\sqrt{8.6} = 4.3$

6. $\sqrt{144} + \sqrt{144} = 24$



3. What percentage of the questions did Sam answer correctly?

- A. 33%
- B. 50%
- C. 67%
- D. 83%



32. Jenny notices that a music store is having a "No GST and 40% off the regular price" sale. If the regular price of a CD is \$15.99, then what is the maximum number of sale-priced CDs that Jenny can buy with her \$80 gift card?

- A. 8
- B. 9
- C. 11
- D. 13

Jennifer's goal is to save \$1 200. Each week she saves 20% of her weekly income of \$576.

7. How many weeks will it take Jennifer to reach her goal?

- A. 10
- B. 11
- C. 24
- D. 29

Ben was earning a monthly salary of \$5 000 before he changed jobs. At his new job he earns 10% less than he did at his old job.

31. If after one year at his new job Ben receives a pay increase of 15%, how much will he then be earning per month?

- A. \$4 725
- B. \$4 750
- C. \$5 175
- D. \$5 250