

6. Mr. Macintosh bought 500 apples. He threw away 18% of the apples which were found rotten. If he sold the rest of the apples at 30 cents each, how much money did he collect from the sale?
7. Mr. Lim bought a van for \$68,000. He borrowed this sum of money from a bank to pay for the van. The bank charged 4% interest per year. If he paid off the loan in one year, how much did he have to pay?
8. There were 350 spaces in the parking lot of a shopping mall. The management of the shopping mall decided to reduce the number of spaces by 8%.
(a) How many spaces were removed?
(b) How many spaces were left?
9. Mrs. Doyle intends to lay carpet for her bedroom which measures 4 m by 5 m. She visits a carpet shop which offers the following sale:

Carpet Sale!

Regular	:	\$9.90 per square meter
Now	:	20% off

How much will she need to pay for the carpet for her bedroom at this sale price?

7. The parking fee for cars in the basement parking lot of a shopping center is given below.

Daily Parking Rates from 7:30 am to 10:00 pm	
1st hour or part thereof	\$3.50
Every additional half hour or part thereof	\$1.50
After 5:00 pm	\$2.50 per entry

- (a) Simon parked his car in the parking lot from 10:30 am to 1:00 pm. How much parking fee did he pay?
- (b) Dr. De Souza owns a clinic in the shopping center. She parks her car in the parking lot daily from 9:30 am to 9:00 pm, except on Saturdays and Sundays. What is her daily parking charges?
8. The table shows the postage rates for the delivery of mail to a certain country.

Weight not more than	Postage charge in cents
20 g	30
50 g	40
100 g	70
Every additional 100 g or less	60

- (a) Find the postage for a magazine which weighs 95 g.
- (b) I want to send a 'health' magazine which weighs about 850 g to my friend in that country. How much postage do I need to pay?

2. Three different quadrilaterals (4-sided figures) are shown below.

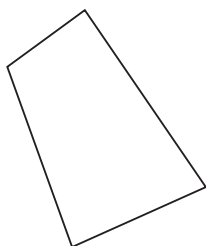


Figure 1

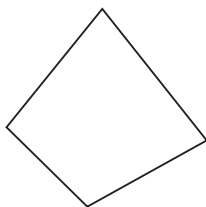


Figure 2

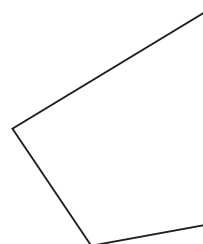


Figure 3

- (a) Join the midpoints of every side of each quadrilateral to form a parallelogram. Write the name of the type of parallelogram formed by the mid-points.

Figure 1 _____

Figure 2 _____

Figure 3 _____

- (b) Can you explain why a parallelogram is always formed when you join the midpoints of the consecutive sides of a quadrilateral?

3. You are given 9 dots arranged in a square grid as shown on the right.

Using these dots as vertices (corners) of a quadrilateral (4-sided figure), how many quadrilaterals that are not identical in size and shape can you form? (Figures which are identical in size and shape are called **congruent** figures.) Draw the quadrilaterals formed.

Note:

Using 1 corner dot only, we can form quadrilaterals 1 2 6 4 and 1 2 8 4, but they are congruent.

